

**C24:0 Galactosyl( $\beta$ )ceramide(d18:1/24:0)**

 D-galactosyl- $\beta$ -1,1'-N-lignoceroyl-D-erythro-sphingosine

**860854P-5mg**

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<b>Molecular Weight</b>	812.25
<b>Chemical Formula</b>	C <sub>48</sub> H <sub>93</sub> NO <sub>8</sub>
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6637PHB010
<b>Avanti Lot Number</b>	860854P-5MG-B-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (85:15 Chloroform: Methanol)	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-H <sub>2</sub> O+H] <sup>+</sup> = 795.25 $\pm$ 1 amu [M-H <sub>2</sub> O+NH <sub>4</sub> ] <sup>+</sup> = 812.25 $\pm$ 1 amu	[M-H <sub>2</sub> O+H] <sup>+</sup> = 794.7 amu [M-H <sub>2</sub> O+NH <sub>4</sub> ] <sup>+</sup> = 812.7 amu

Approved By:



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